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Applicants: Oliver P. Peoples, Lara L. Madison, and Gjalt Huisman

Serial No.: 09/364,847

Art Unit: 1652

Filed: July 30, 1999

Examiner: D. Steadman

For: *ENZYMES FOR BIOPOLYMER PRODUCTION*

Assistant Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §1.56 and 37 C.F.R. §1.97, and Further to the Information Disclosure Statement mailed January 5, 2000, enclosed are ten (10) pages of Form PTO-1449 and copies of each document cited therein. These documents were all listed in the Information Disclosure Statement mailed January 5, 2000, and resubmitted June 25, 2001, however, the Examiner has requested additional copies of the references cited.

It is believed that no fee is required with this submission. However, should a fee be required, the Commissioner is hereby authorized to charge any fees to Deposit Order Account No. 50-1667.

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<u>Number</u>	<u>Issue Date</u>	<u>Patentee</u>	<u>Class/Subclass</u>
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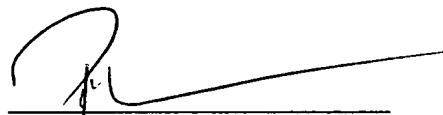
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Remarks

This statement should not be interpreted as a representation that an exhaustive search has been conducted or that no better art exists. Moreover, Applicants invite the Examiner to make an independent evaluation of the cited art to determine its relevance to the subject matter of the present application. Applicants are of the opinion that their claims patentably distinguish over the art referred to herein, either alone or in combination.

Respectfully submitted,



Patrea L. Pabst
Reg. No. 31,284

Dated: April 4, 2002

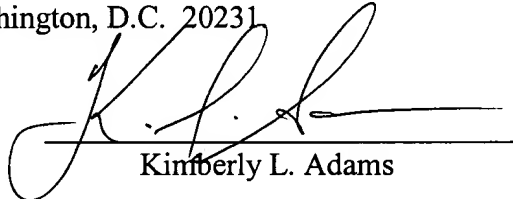
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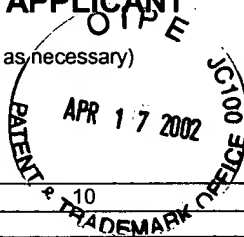


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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number	09/364,847
Filing Date	July 30, 1999
First Named Inventor	Oliver P. Peoples
Group Art Unit	1649
Examiner Name	
Attorney Docket Number	MBX 030

Sheet 1 of 10

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	US Patent Document		Name of Patentee or Applicant of Cited Document	Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
		5,004,863		Umbeck	04-02-1991	
		5,015,580		Christou, et al.	05-14-1991	
		5,024,944		Collins, et al.	06-18-1991	
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		5,169,770		Chee, et al.	12-08-1992	
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		Application Number	09/364,847		
		Filing Date	July 30, 1999		
		First Named Inventor	Oliver P. Peoples		
		Group Art Unit	1649		
Examiner Name					
Sheet	4	of	10	Attorney Docket Number	MBX 030

OTHER ART – NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	1	BÜLOW & MOSBACH, "Multienzyme systems obtained by gene fusion," <i>Trends Biotechnol.</i> 9(7):226-31 (1991). •	
	2	BÜLOW, "Characterization of an artificial bifunctional enzyme, β -galactosidase/galactokinase, prepared by gene fusion," <i>Eur. J. Biochem.</i> 163(3):443-48 (1987). •	
	3	BÜLOW, "Preparation of artificial bifunctional enzymes by gene fusion," <i>Biochem. Soc. Symp.</i> 57:123-33 (1990). •	
	4	CARLSSON, et al., "Engineering of lactose metabolism in <i>E. coli</i> by introducing β -galactosidase/galactokinase fusion enzymes," <i>Biotech. Lett.</i> 14:439-44 (1992). •	
	5	CEVALLOS, et al., "Genetic and physiological characterization of a <i>Rhizobium etli</i> mutant strain unable to synthesize poly- β -hydroxybutyrate," <i>J. Bacteriol.</i> 178(6):1646-54 (1996). •	
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	7	CUBITT, et al., "Understanding, improving and using green fluorescent proteins," <i>Trends Biochem. Sci.</i> 20(11):448-55 (1995). •	
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	9	FISHER, et al., "High-level expression in <i>Escherichia coli</i> of enzymatically active fusion proteins containing the domains of mammalian cytochromes P450 and NADPH-P450 reductase flavoprotein," <i>Proc. Natl. Acad. Sci. USA</i> 89(22):10817-21 (1992). •	
	10	FROMM, et al., "Inheritance and expression of chimeric genes in the progeny of transgenic maize plants," <i>Biotechnology (NY)</i> 8(9):833-39 (1990). •	

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¹ Unique citation designation number ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant to place a check mark here if English language Translation is attached.

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Application Number

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Filing Date

July 30, 1999

First Named Inventor

Oliver P. Peoples

Group Art Unit

1649

Examiner Name

Attorney Docket Number

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Sheet

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10

OTHER ART – NON PATENT LITERATURE DOCUMENTS

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	11	FUKUI & DOI, "Cloning and analysis of the poly(3-hydroxybutyrate-co-3-hydroxyhexanoate) biosynthesis genes of <i>Aeromonas caviae</i> ," <i>J. Bacteriol.</i> 179(15):4821-30 (1997). •	
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		Application Number	09/364,847		
		Filing Date	July 30, 1999		
		First Named Inventor	Oliver P. Peoples		
		Group Art Unit	1649		
		Examiner Name			
Sheet	6	of	10	Attorney Docket Number	MBX 030

OTHER ART – NON PATENT LITERATURE DOCUMENTS			
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	21	KANEKO, et al., "Sequence analysis of the genome of the unicellular cyanobacterium <i>Synechocystis</i> sp. strain PCC6803. II. Sequence determination of the entire genome and assignment of potential protein-coding regions," <i>DNA Res.</i> 3(3):109-36 (1996). •	
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	31	MOLONEY, et al., "High efficiency transformation of <i>Brassica napus</i> using <i>Agrobacterium</i> vectors," <i>Plant Cell Reports</i> 8:238-42 (1989). •	
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	01	WIECZOREK, et al., "Occurrence of polyhydroxyalkanoic acid granule-associated proteins related to the <i>Alcaligenes eutrophus</i> H16 GA24 protein in other bacteria," <i>FEMS Microbiol. Lett.</i> 135(1):23-30 (1996).	
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